

ABSTRACT

Doppler shifted reflection of ultrasonic energy are detected to measure and display the flow of particle-containing fluid, such as blood, through a body. The phase and magnitude of the autocorrelation function at a lag of one calculated from detecting and comparing the reflections from succeeding ultrasonic pulses are used as indication of the presence and velocity of fluid flow at each point in the body. The resulting data are stored and used as element of a graphic display of fluid flow.

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